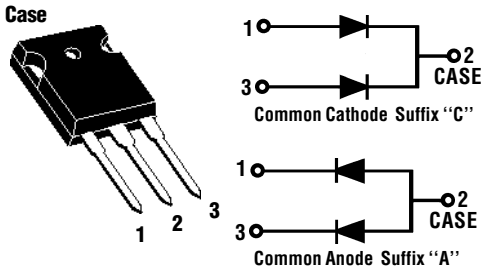
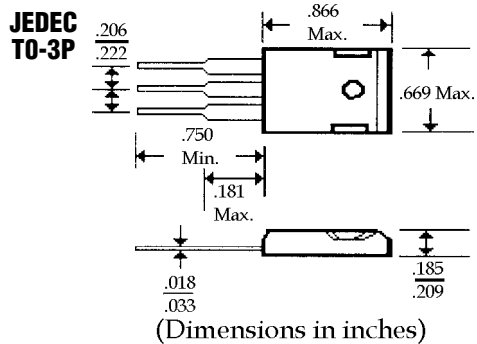


FBR3030...3060 Series

Description



Mechanical Dimensions

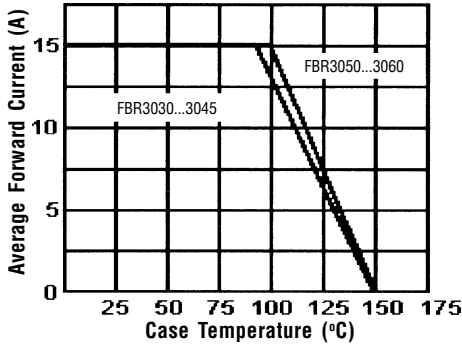


Features

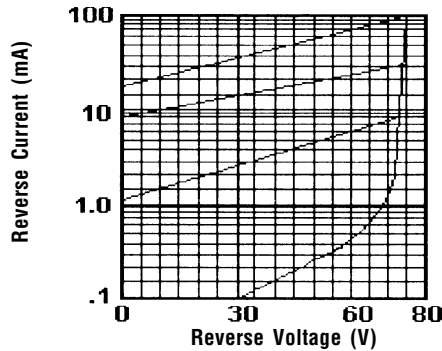
- HIGH CURRENT CAPABILITY WITH LOW V_F
- HIGH SURGE VOLTAGE AND TRANSIENT PROTECTION
- HIGH EFFICIENCY w/LOW POWER LOSS
- MEETS UL SPECIFICATION 94V-0

FBR3030 . . . 3060 Series							Units
Maximum Ratings	FBR3030	FBR3035	FBR3040	FBR3045	FBR3050	FBR3060	
Peak Repetitive Reverse Voltage... V_{RRM}	30	35	40	45	50	60	Volts
Working Peak Reverse Voltage... V_{RWM}	30	35	40	45	50	60	Volts
DC Blocking Voltage... V_{DC}	30	35	40	45	50	60	Volts
RMS Reverse Voltage... V_R (rms)	21	24	28	31	35	42	Volts
Average Forward Rectified Current... I_o @ $T_C = 110^\circ C$ V_R (equiv.) $\leq 0.2V_{R(DC)}$	..... 30						Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, 1/2 Sine Wave, Single Phase, 60Hz	..... 300						Amps
Operating Temperature Range... T_J	..... -65 to 150						°C
Electrical Characteristics							
Maximum Forward Voltage... V_F @ $I_F = 15$ Amps	<55 > <65 >						Volts
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage	$T_C = 25^\circ C$	..... 3.0				$T_C = 150^\circ C$	mAmps
		..... 100					mAmps

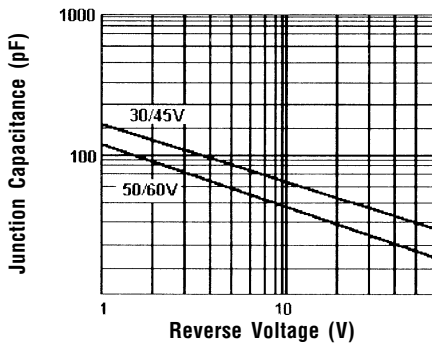
Forward Current Derating Curve



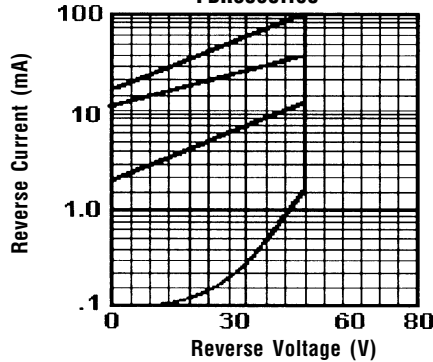
**Typical Reverse Characteristics
FBR3030..45**



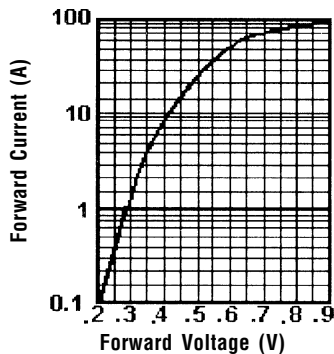
Typical Junction Capacitance



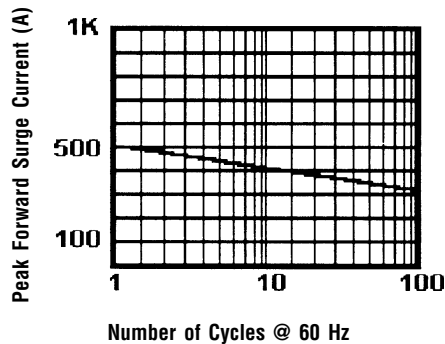
**Typical Reverse Characteristics
FBR3050..60**



Typical Forward Characteristics



Peak Forward Surge Current



Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 Hz Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.